

Serial No.: 10/736,487
Amendment Dated: August 8, 2005
Response Accompanying RCE to Office Action of November 10, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the above-captioned patent application:

Listing of Claims:

1-5. (Cancelled)

6. (Currently amended) A medium temperature refrigerated merchandiser system comprising:

an insulated cabinet defining a product display area maintained in a refrigerated condition at a temperature above 32 degrees F and having a compartment separate from the product display area;

a relatively high air side pressure drop evaporator disposed within said compartment;

at least one air circulator disposed within said compartment in cooperative relationship with said evaporator; and

an air circulation circuit connecting said product display area and in direct air flow communication with said compartment.

7. (Currently amended) A medium temperature refrigerated merchandiser system as recited in claim 6 wherein said relatively high air side pressure drop evaporator comprises a fin and tube heat exchanger having a fin density in the range of 6 fins per inch to 15 fins per inch.

8. (Previously presented) A medium temperature refrigerated merchandiser system as recited in claim 7 wherein said fins of said evaporator have an enhanced heat transfer configuration.

9. (Currently amended) A medium temperature refrigerated merchandiser system comprising:

an insulated cabinet defining a product display area wherein product is maintained in a refrigerated condition at a temperature at or above 32 degrees F and having a compartment separate from the product display area;

Serial No.: 10/736,487
Amendment Dated: August 8, 2005
Response Accompanying RCE to Office Action of November 10, 2004

a relatively high air side pressure drop evaporator disposed within said compartment, said evaporator being a fin and tube exchanger having a fin density of at least 6 fins per inch;

at least one air circulator disposed within said compartment in cooperative relationship with said evaporator; and

an air circulation circuit connecting said product display area and in direct air flow communication with said compartment.

10. (Currently amended) A medium temperature refrigerated merchandiser system comprising:

an insulated cabinet defining a product display area wherein product is maintained in a refrigerated condition at a temperature at or above 32 degrees F and having a compartment separate from the product display area;

a relatively high air side pressure drop evaporator disposed within said compartment, said evaporator being a fin and tube exchanger having a fin density in the range of 6 fins per inch to 15 fins per inch;

at least one air circulator disposed within said compartment in cooperative relationship with said evaporator; and

an air circulation circuit connecting said product display area and in direct air flow communication with said compartment.

11. (Currently amended) A medium temperature refrigerated merchandiser system as recited in claim 9 wherein said fins of said evaporator have an enhanced heat transfer configuration.

12. (Previously presented) A medium temperature refrigerated merchandiser system as recited in claim 9 wherein said at least one air circulator comprises a plurality of fans disposed in spaced relationship along said evaporator at spaced intervals of about 2 feet.

Serial No.: 10/736,487
Amendment Dated: August 8, 2005
Response Accompanying RCE to Office Action of November 10, 2004

13. (Previously presented) A medium temperature refrigerated merchandiser system as recited in claim 9 wherein said evaporator is disposed in a draw through flow arrangement with respect to said at least one air circulator whereby the said at least one air circulator draws circulating air from said product display area through said evaporator.

14. (Currently amended) A medium temperature refrigerated merchandiser system as recited in claim 10 wherein said fins of said evaporator have an enhanced enhanced heat transfer configuration.

~~12~~15. (Currently amended) A medium temperature refrigerated merchandiser system as recited in claim 10 wherein said at least one air circulator comprises a plurality of fans disposed in spaced relationship along said evaporator at spaced intervals of about 2 feet.

~~13~~16. (Currently amended) A medium temperature refrigerated merchandiser system as recited in claim 10 wherein said evaporator is disposed in a draw through flow arrangement with respect to said at least one air circulator whereby the said at least one air circulator draws circulating air from said product display area through said evaporator.

17. (New) A medium temperature refrigerated merchandiser system as recited in claim 6 wherein said at least one air circulator comprises a plurality of fans disposed in spaced relationship along said evaporator at spaced intervals of about 2 feet.

18. (New) A medium temperature refrigerated merchandiser system as recited in claim 6 wherein said evaporator is disposed in a draw through flow arrangement with respect to said at least one air circulator whereby said at least one air circulator draws circulating air from said product display area through said evaporator.